



Fig. 1

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Targeter Goal Setup

Field Name: Results

Field Description: User selected results for this segment

Available Components:

Selected Components:

Component Details:

OK Cancel Apply Help

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REPLACEMENT SHEET

Fig. 2

20 Targeter Edit for Targeting_Profile

22 Variables:

? Name	New Value	Last Update
x DV_X	0.000000000000 km/sec	0.000000000000 km/sec
DV_Y	0.000000000000 km/sec	0.000000000000 km/sec

24

26

28

Goals:

? Name	Desired	Achieved
Argument_of_Periaapsis	0.000000000	0.000000000
Eccentricity	0.300000000	0.000000000
X Inclination	23.500000000	0.000000000
X Semimajor_Axis	43125.000000000000 km	0.000000000
Time_Past_Periaapsis	0.000000000 sec	0.000000000

☐ Use:

Achieved Value: 0.000000000

Desired Value: 0.300000000

Difference: 0.000000000

Convergence Tolerance: 0.100000000

Advance Values

Scale: 1.000000000

Weight: 1.000000000

OK Cancel Apply Help

Nominal: 0.000000000000 km/sec

Correction: 0.000000000000 km/sec

New Value: 0.000000000000 km/sec

Last Update: 0.000000000000 km/sec

Tolerance: 0.000000000100 km/sec

Perturbation: 0.000100000000 km/sec

Max. Step: 0.050000000000 km/sec

Advanced Value

Scale: 0.001000000000 km/sec



Fig. 3

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Targeter: Add/Modify

×

Duplicate

Delete

Name	Description	Active
Phase_1	DVX and ecc	X
Phase_2	DVX, ecc & inc	
Phase_3	DVX, ecc,inc,sma	X

↑

↓

Edit Sequence

Name: Phase_3

Description: DVX, ecc,inc,sma

☒ Active

Update...

OK

Cancel

Apply

Help

38

36

32

34



Fig. 4

Satellite1 - Basic Properties

OrbitAttitudePass BreakMassRCSDescription

Propagator: Astrogorator

Initial State

Propagate

Target_Sequence

Impulsive_Maneuver (end)

(end)

?

Name

Phase_1

Phase_2

Phase_3

Run Nominal Control Values

When Targeter Converges:

Run to RETURN and continue

Edit Variables and Goals...

Add/Modify Profile list...

Clear All Corr

Apply All Corr

Maximum Iterations: 25

Dynamic Draw

Convergence Criteria: Goals within tolerance

Advanced Options...

Log File: StkTargeterLogFile.txt

View...

Converged on last run: false

OKCancelApplyHelp

degUTCGkmkgsec